KB

PCT10

RAW SEQUENCE LISTING   DATE: 02/27/2003
PATENT APPLICATION: US/10/018,470A   TIME: 08:05:17

Input Set : N:\Crf4\02132003\J018470.raw
Output Set: N:\CRF4\02272003\J018470A.raw

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 1 <110> APPLICANT: Frazer, Claire M.
 2         Hickey, Erin
 3         Peterson, Jeremy
 4         Tettelin, Herve
 5         Venter, J. Craig
 6         Masignani, Vega
 7         Galeotti, Cesira
 8         Mora, Manrosa
 9         Ratti, Giulio
10         Scarselli, Maria
11         Scarlato, Vincenzo
12         Rappuoli, Rino
13         Pizza, Mariagratia
14         Grandi, Guido
15 <120> TITLE OF INVENTION: Neisseria Genomic Research
16 <130> FILE REFERENCE: CHIR-0319
17 <140> CURRENT APPLICATION NUMBER: US/10/018,470A
18 <141> CURRENT FILING DATE: 2000-03-08
19 <150> PRIOR APPLICATION NUMBER: 60/132,068
20 <151> PRIOR FILING DATE: 1999-04-30
21 <150> PRIOR APPLICATION NUMBER: PCT/US99/25373
22 <151> PRIOR FILING DATE: 1999-10-08
23 <150> PRIOR APPLICATION NUMBER: GB-0004695.3
24 <151> PRIOR FILING DATE: 2000-02-28
25 <150> PRIOR APPLICATION NUMBER: PCT/US/05928
26 <151> PRIOR FILING DATE: 2000-03-08
27 <160> NUMBER OF SEQ ID NOS: 107
28 <170> SOFTWARE: PatentIn version 3.1
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31 <211> LENGTH: 2272325
32 <212> TYPE: DNA
33 <213> ORGANISM: Neisseria meningitidis
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40    tccacagccg caaatgccag cggcagttcg tcatccttca aacacctgcc gtaataggca    360
41    tgaatcttat ccacagaaga ccacggttca aatccgtgcc actcctcaaa caacgcctga    420
42    accaacctgc cgatatgccc ggctttcagc cgtgtaatga aaacagtatt gtccacaaag    480
43    agggaattca tcggtcaatt ccccgacgcc ttcgttcccc ctgcgccgta aaccgcattc    540
44    caagcatggt ccaaacgcac tccgatttgc ctcaaatctt cagcctgccg ggctttttgc    600
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 96     gccgccacat ttgccgcaca taccgcctcg gcagacgaac tggccggatg gaaagacaac   3720
 97     accccgcaaa gcctgcaatc gctcaaagcc cccgtacgca tcgtcaacct ttggcgact   3780
 98 .   tggtgcggcc cgtgccgaaa agagatgcct gccatgtcca aatggtacaa agcgcagaaa   3840
 99     aaaggcagcg tcgatatggt cggcatcgcg ctcgacacat ccgacaatat cggcaacttc   3900
100     ctcaaacaaa ctcctgtttc ctacccgatt tggcgttaca ccggggcgaa cagccgaaac   3960
101     tttatgaaaa cctacggaaa cactgtcggc gtactgccct ttaccgtcgt cgaagcaccg   4020
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103     gtcaaactcg cccattcaaa atgccgttaa acgccggatg ccgtctgaag ccgcttcaga   4140
104     tggcatttttt cttttccacc cgcctgccgg tgcaaactta tccactatct aaaaacaggc   4200
105     ggaatcttta taatcggcac tgtcttacct attgttcaga cggcatatcc ctgcggacgc   4260
106     aaccgcccga aacgatatgc cgcccttcct tacaggacct cctatgatcc gtttcgaaca   4320
107     agtttccaaa acctatcccg gcggttttga agccctgaaa aacgtcagct tccaaatcaa   4380
108     caaaggcgaa atgatattta tcgcgggaca ctccggttcg ggcaaatcca ccatcctcaa   4440
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132     tggcttgcca ccacccagca cctgctcggc ttcaaagcca aaaaataaaa caccgtcaaa   5880
133     aatgccgtcc gaacccgttt tcagacggca tttcaatttg ccagtataat ggcgcatttt   5940
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141     gtagccgatt tgttcggtaa cgccgaattt ggcaatcgcc gccagcgtgt cgccgccgcc   6420
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145    ggcaacgtcg gcaatgtctt tcaccacagc ttccgcatcg gcggcaatgt ctttcaccac   6660
146    agcttccgca tcggcggcaa aggctttggc aacgacgaca tcggtcggca gcggcacaga   6720
147    accgcctttt gccgccattt tcgccataat ttttttggat tcttccacca aatcgtgttc   6780
148    cgccaaagat ttgccgatgg ctttgccttc cgccaacagg aaggtgtttg cgataccgcc   6840
149    gccgacgatg agttggtcga ctttgtccgc cagcgattcg aggatggtca gcttggtgga   6900
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RAW SEQUENCE LISTING   DATE: 02/27/2003
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Input Set : **N:\Crf4\02132003\J018470.raw**
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196   atgaccagca ccaaaaacag cggcgtggcg attttttttgc cgtttccgac ggtaaaaaat   9720
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202   tcgactgcca acgatttttc caaaatgtag ccggtaaaga attccaatac tttttctttt  10080
203   gcgactgccg cgccgtagcc gggattgccg gcgagttcaa aatacagcca gcccgcgaac  10140
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238   ttgtcgaagc ggtatctccg cccttgcccg tccagttggt atggaaaaac tcaccgcgcg  12240
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Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

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Seq#:6; N Pos. 6,8,38,39,96,102,341,390,410
Seq#:7; Xaa Pos. 3,13,114,137
Seq#:40; N Pos. 364,365,366,367,368,369,370,371,372,373,374,375,376,377,378
Seq#:40; N Pos. 379,380,381,382,383,384,385,386,387,388,389,390,391,392,393
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Seq#:40; N Pos. 499,500,501,502,503,504,505,506,895,982
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Seq#:41; Xaa Pos. 178,179,180,181,182,183,184,185,186,187,188,189,190,191
Seq#:41; Xaa Pos. 192,193,194,195,196,197,198,199,200,201,202,332,361
Seq#:46; N Pos. 995,1082
Seq#:47; Xaa Pos. 332,361
Seq#:50; N Pos. 1216,1334,1347
Seq#:51; Xaa Pos. 149,158,167,190,198,289,313,328,331,339,343,347,406,445
Seq#:63; Xaa Pos. 116
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VERIFICATION SUMMARY
PATENT APPLICATION: **US/10/018,470A**

DATE: 02/27/2003
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Input Set : **N:\Crf4\02132003\J018470.raw**
Output Set: **N:\CRF4\02272003\J018470A.raw**

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M:341 Repeated in SeqNo=6
L:38056 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
M:341 Repeated in SeqNo=7
L:39195 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:360
M:341 Repeated in SeqNo=40
L:39234 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:112
M:341 Repeated in SeqNo=41
L:39450 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:960
M:341 Repeated in SeqNo=46
L:39507 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:320
M:341 Repeated in SeqNo=47
L:39628 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:1200
M:341 Repeated in SeqNo=50
L:39712 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:144
M:341 Repeated in SeqNo=51
L:40420 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63 after pos.:112
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